HARMONY GROVE VILLAGE SOUTH

APPENDIX K-3

PHASE II ENVIRONMENTAL SITE ASSESSMENT

for the

DRAFT FINAL ENVIRONMENTAL IMPACT REPORT

PDS2015-GPA-15-002 PDS2015-SP-15-002 PDS-REZ-15-003 PDS2018-TM-5626 PDS2015-MUP-15-008

Log No.: PDS2015-ER-15-08-006

May 2018

Prepared for:
County of San Diego
Planning & Development Services
5510 Overland Avenue, Suite 310
San Diego, California 92123



GEOTECHNICAL = ENVIRONMENTAL = MATERIALS



Project No. 09412-06-04 October 21, 2015

Ms. Kathryn Murrel RCS-Harmony Partners, LLC 321 12th Street, Suite 200 Manhattan Beach, California 90266

Subject:

PHASE II ENVIRONMENTAL SITE ASSESSMENT

HARMONY GROVE VILLAGE SOUTH SAN DIEGO COUNTY, CALIFORNIA

Dear Ms. Murrel:

In accordance with your request on behalf of RCS-Harmony Partners, LLC, we performed a Phase II Environmental Site Assessment (ESA) of the approximately 112-acre property comprised of essentially undeveloped land located south of Harmony Grove Road and east of Country Club Drive (the Site) in San Diego County, California (Figure 1). We understand that this Phase II ESA assessment is required by County of San Diego as indicated in the County's correspondence titled Project Issue Checklist for Harmony Grove Village South (County Project No. PDS2015-SP-15-002). The Site is further identified by Assessor's Parcel Numbers (APNs) 235-011-06; 238-021-08, -09, and -10.

Our scope of services included review of pertinent environmental reports previously prepared for the property, soil sampling within the identified area, analysis of laboratory test results, and preparation of this report. The purpose of the Phase II ESA was to evaluate onsite shallow soils for the potential presence of pesticides based on the historical agricultural use of the Site, as required by the County of San Diego to obtain a vesting tentative map for the proposed residential development.

SITE DESCRIPTION AND BACKGROUND

Based on observations made during recent field work and review of Geocon Incorporated reports titled Phase I Environmental Site Assessment, Harmony Grove Property, Escondido, California, dated February 5, 2009, and Records Review Update, Harmony Grove Village, 2810 Country Club Drive, Escondido, California, revised October 9, 2014, the Site consists of undeveloped land traversed by unpaved and paved roads and covered with vegetation. Three structures were observed onsite, including remnants of a former residence, a brick and clay/mud structure with three partial walls, and a square concrete structure. Trash and debris were observed scattered throughout the Site. No significant odors, pools of liquid, significantly stained soil, distressed vegetation, ASTs, wells, or ponds were observed at the Site as indicated in our 2009 Phase I ESA. According to the 2009 Phase I ESA and Records Review Update, the Site is not listed on any of the databases searched by EDR or in our review of readily available agency records for the Site.

Based on a review of historical aerial photographs and information obtained during the preparation of the 2009 Phase I ESA, the Site consisted primarily of undeveloped land with structures at the central portion of the Site as early as the late 1920s. Evidence of historical agricultural use was apparent from at least the 1920s to the 1980s, although historical use appears to be sporadic and not continuous.

SCOPE OF SERVICES

The scope of services of the Phase II ESA included collecting soil samples from the Site and having them analyzed for contaminants of concern (COCs) related to historical agricultural land use. Soil sampling was conducted on October 1, 2015.

Soil Sampling

Soil sampling consisted of the following activities:

- Advanced 21 borings, B1 through B21, using a hand-auger at approximate 3-acre centers throughout the Site (Figure 2).
- Collected soil samples from each boring at depths of 0.5 to 1.0-foot and 2.0 to 2.5-feet.

Laboratory Analysis

We submitted the soil samples to Advanced Technology Laboratories (ATL), a state-certified laboratory in Signal Hill, California, for analysis as follows:

- Shallow samples (0.5 to 1.0-foot depth) were analyzed for organochlorine pesticides (OCPs) by United States Environmental Protection Agency (USEPA) Test Method 8081A and arsenic by USEPA Test Method 6010B.
- Deep samples (2.0 to 2.5-feet depth) were held for analysis pending results of analysis of the shallow samples.

FINDINGS AND CONCLUSIONS

OCPs were not detected in the shallow soil samples collected from the Site. Arsenic was detected in 18 of the 21 shallow soil samples at concentrations up to 2.6 milligrams per kilogram (mg/kg). A copy of the laboratory analytical report is attached.

We compared the reported concentrations of arsenic to regulatory health risk-based soil screening levels developed by the State of California (the California Human Health Screening Levels – [CHHSLs]). The arsenic concentrations that were detected in soil at the Site exceed the residential CHHSL of 0.070 mg/kg. This is a common occurrence because the screening levels are less that the reporting limit of 1.0 mg/kg. However, the maximum detected arsenic concentration is below the California's DTSC regional background level for arsenic in southern California soils of 12 mg/kg based upon the report prepared by the DTSC titled Determination of a Southern California Regional Background Arsenic Concentration in Soil, dated March 2008. In the report, the DTSC indicates that this finding suggests that 12 mg/kg may be a useful screening number for evaluating arsenic as a

chemical of potential concern. An earlier study presented in a report titled *Background Concentrations of Trace and Major Elements in California Soils* published by the University of California (Riverside), Division of Agriculture and Natural Resources (Bradford, G.R., et al, 1996) concluded that background arsenic concentrations range up to 11 mg/kg.

As a result of the well-documented background levels of arsenic in California soils, the Cal/EPA published the following statement in the document title *Use of California Human Health Screening Levels [CHHSLs] in evaluation of Contaminated Properties, January 2005: "Naturally occurring background concentrations of arsenic, beryllium, cadmium, chromium, and other metals in soils may exceed their respective soil CHHSLs. Cal/EPA generally does not require cleanup of soil to below background levels. This issue is frequently encountered with arsenic. Natural background concentrations of arsenic in California are often well above the health-based, direct-exposure goals in soil of 0.07 mg/kg for residential land use and 0.24 mg/kg for commercial/industrial land use."*

Based on the analytical results, it appears that the historical agricultural use of the Site has not resulted in the presence of the COCs in shallow soil. The findings of this Phase II ESA suggest that additional assessment of the Site with respect to the COCs is not warranted at this time.

LIMITATIONS

The conclusions presented in this report are based upon reasonable visual observations made at the Site and research of available materials within the scope and budget of the contract. The information presented is relevant to the dates of our site visit and should not be relied upon to represent conditions at later dates. The opinions expressed herein are based on our experience with similar studies and information obtained during our effort. If additional information becomes available, we request the opportunity to review the information and modify our opinions, if necessary. Any reliance upon the information, conclusions, or recommendations contained in this report for purposes other than the transfer of the site shall be at the sole risk of the party undertaking such use.

Our services have been conducted using the degree of care and skill ordinarily exercised, under similar circumstances, by environmental sciences consultants practicing in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented in this report. Geocon is not responsible for the conclusions, opinions, or recommendations made by others based on this information.

This report was compiled based partially on information supplied to Geocon from outside sources, other information that is in the public domain and visual observations made at the property. The preliminary conclusions and recommendations herein are based solely on the information Geocon obtained in compiling the report. Geocon makes no warranty as to the accuracy of statements made by others which may be contained in the report, nor are any other warranties or guarantees, express or implied, included or intended by the report except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing the same or similar services. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings of fact from records examined.

We appreciate the opportunity to be of service. Please contact the undersigned with any comments or questions.

Very truly yours,

GEOCON INCORPORATED

Elizabeth A. Miller, PG Project Geologist

EAM:JEJ:ejc

John E. Juhrend, PE, CEG Senior Engineer

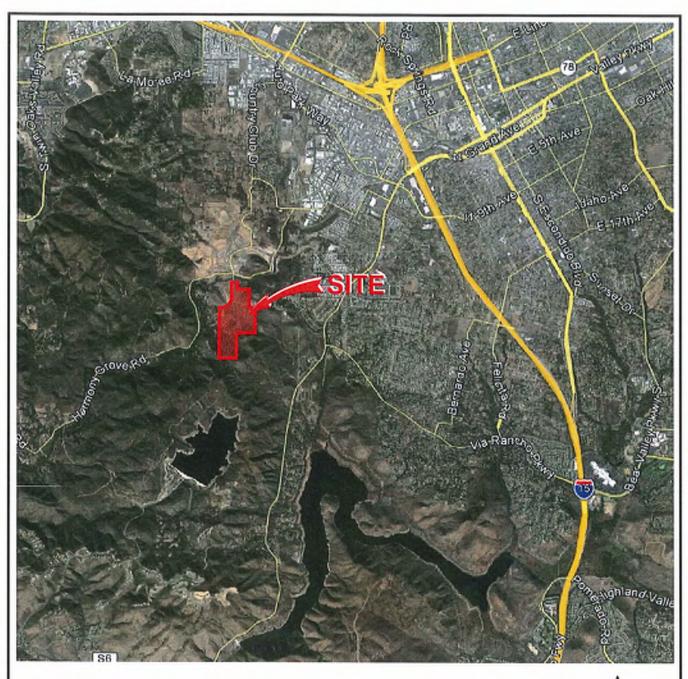
Attachments:

Figure 1, Vicinity Map Figure 2, Site Plan

ELIZABETH A. MILLER No.9261

Laboratory Reports and Chain-Of-Custody Documentation

(e-mail) Addressee



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VICINITY MAP

GEOCON



GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS 6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974 PHONE 858 558-6900 - FAX 858 558-6159

EA/RA

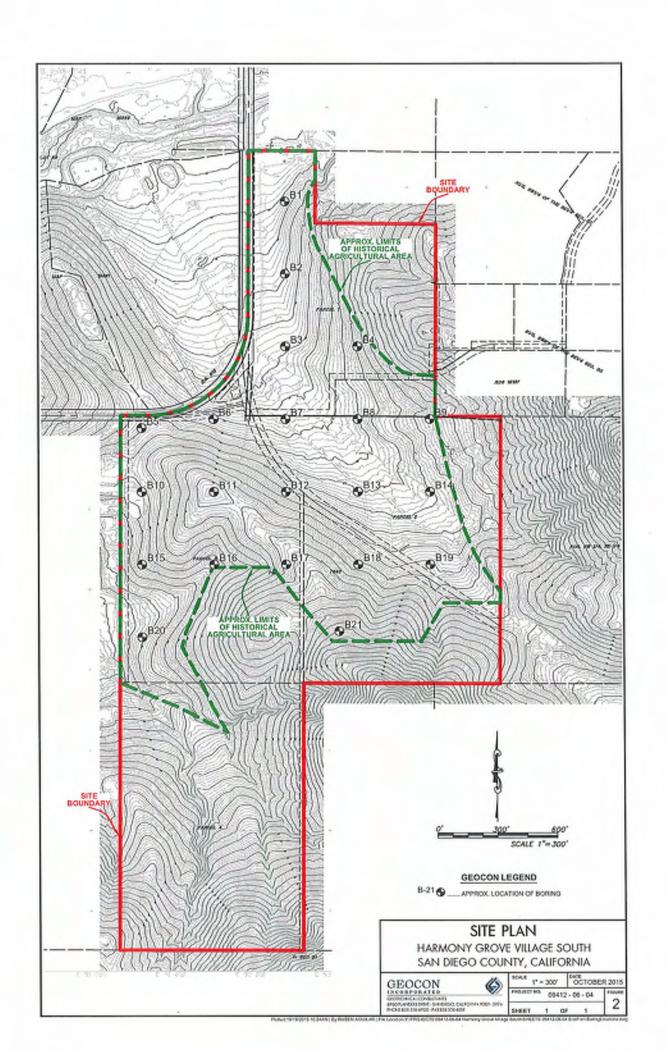
DSK/GTYPD

HARMONY GROVE VILLAGE SOUTH SAN DIEGO COUNTY, CALIFORNIA

DATE OCTOBER 2015

PROJECT NO. 09412 - 06 - 04

FIG.





October 09, 2015

Elizabeth Miller Geocon, Inc. 6960 Flanders Drive San Diego, CA 92121 Tel: (858) 558-6100

Fax:(858) 558-8437

ELAP No.: 1838 CSDLAC No.: 10196 ORELAP No.: CA300003 TCEQ No.: T104704502

Re: ATL Work Order Number: 1503387

Client Reference: Harmony Grove Village South, 9412-06-04

Enclosed are the results for sample(s) received on October 02, 2015 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez

Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1-0.5	1503387-01	Soil	10/01/15 8:02	10/02/15 11:00
B2-0.5	1503387-03	Soil	10/01/15 8:36	10/02/15 11:00
B3-0.5	1503387-05	Soil	10/01/15 8:40	10/02/15 11:00
B4-0.5	1503387-07	Soil	10/01/15 9:00	10/02/15 11:00
B5-0.5	1503387-09	Soil	10/01/15 13:10	10/02/15 11:00
B6-0.5	1503387-11	Soil	10/01/15 10:55	10/02/15 11:00
B7-0.5	1503387-13	Soil	10/01/15 10:35	10/02/15 11:00
B8-0.5	1503387-15	Soil	10/01/15 9:00	10/02/15 11:00
B9-0.5	1503387-17	Soil	10/01/15 9:35	10/02/15 11:00
B10-0.5	1503387-19	Soil	10/01/15 12:50	10/02/15 11:00
B11-0.5	1503387-21	Soil	10/01/15 11:48	10/02/15 11:00
B12-0.5	1503387-23	Soil	10/01/15 12:14	10/02/15 11:00
B13-0.5	1503387-25	Soil	10/01/15 9:31	10/02/15 11:00
B14-0.5	1503387-27	Soil	10/01/15 9:50	10/02/15 11:00
B15-0.5	1503387-29	Soil	10/01/15 11:50	10/02/15 11:00
B16-0.5	1503387-31	Soil	10/01/15 12:45	10/02/15 11:00
B17-0.5	1503387-33	Soil	10/01/15 11:01	10/02/15 11:00
B18-0.5	1503387-35	Soil	10/01/15 10:06	10/02/15 11:00
B19-0.5	1503387-37	Soil	10/01/15 10:08	10/02/15 11:00
B20-0.5	1503387-39	Soil	10/01/15 12:10	10/02/15 11:00
B21-0,5	1503387-41	Soil	10/01/15 10:39	10/02/15 11:00



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-C

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B1-0.5 Lab ID: 1503387-01

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.9	1.0	1	B5J0187	10/07/2015	10/08/15 15:52	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:26	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:26	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:26	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:26	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:26	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 15:26	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:26	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:26	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Heptschlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 15:26	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 15:26	
Surrogate: Decachlorobiphenyl	53.4 %	16 - 137		B5J0177	10/07/2015	10/07/15 15:26	
Surrogate: Tetrachloro-m-xylene	54.4 %	16 - 105		B5J0177	10/07/2015	10/07/15 15:26	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B2-0.5 Lab ID: 1503387-03

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.5	1.0	1	B5J0187	10/07/2015	10/08/15 16:05	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:37	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:37	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:37	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:37	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:37	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 15:37	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:37	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:37	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 15:37	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 15:37	
Swrogate: Decachlorobiphenyl	60.5 %	16 - 137		B5J0177	10/07/2015	10/07/15 15:37	
Surrogate: Tetrachloro-m-xylene	65.3 %	16 - 105		B5J0177	10/07/2015	10/07/15 15:37	



Geocon, Inc. Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive Report To: Elizabeth Miller

San Diego , CA 92121 Reported: 10/09/2015

Client Sample ID B3-0.5 Lab ID: 1503387-05

Total Metals by ICP-AES EPA 6010B

Analyst: RR

	Result	PQL				Date/Time	
Analyte	(mg/kg)	(mg/kg)	Dilution	Batch	Prepared	Analyzed	Notes
Arsenic	ND	1.0	1	B5J0187	10/07/2015	10/08/15 16:08	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:47	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:47	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:47	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:47	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:47	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 15:47	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:47	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:47	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 15:47	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 15:47	
Surrogate: Decachlorobiphenyl	37.4%	16 - 137		B5J0177	10/07/2015	10/07/15 15:47	
Surrogate: Tetrachloro-m-xylene	44.6 %	16 - 105		B5J0177	10/07/2015	10/07/15 15:47	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B4-0.5 Lab ID: 1503387-07

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.6	1.0	1	B5J0187	10/07/2015	10/08/15 16:12	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:58	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:58	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:58	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:58	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:58	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 15:58	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 15:58	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:58	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 15:58	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 15:58	
Surrogate: Decachlorohiphenyl	64.0 %	16 - 137		B5J0177	10/07/2015	10/07/15 15:58	
Surrogate: Tetrachloro-m-xylene	66.5 %	16 - 105		B5J0177	10/07/2015	10/07/15 15:58	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego , CA 92121

Reported: 10/09/2015

Client Sample ID B5-0.5 Lab ID: 1503387-09

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	2.6	2.0	2	B5J0187	10/07/2015	10/08/15 17:50	D5

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:08	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:08	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:08	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:08	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:08	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 16:08	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Endosulfan I	ND	1.0	1.	B5J0177	10/07/2015	10/07/15 16:08	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:08	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:08	
gamma-Chlordane	ND	1.0	1	BSJ0177	10/07/2015	10/07/15 16:08	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 16:08	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 16:08	
Swrogate: Decachlorobiphenyl	64.0 %	16 - 137		B5J0177	10/07/2015	10/07/15 16:08	
Surrogate: Tetrachloro-m-xylene	61.7 %	16 - 105		B5J0177	10/07/2015	10/07/15 16:08	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-C

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B6-0.5 Lab ID: 1503387-11

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.5	1.0	1	B5J0187	10/07/2015	10/08/15 16:20	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:19	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:19	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:19	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:19	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:19	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 16:19	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:19	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:19	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 16:19	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 16:19	
Surrogate: Decachlorobiphenyl	66.0 %	16 - 137		B5J0177	10/07/2015	10/07/15 16:19	
Surrogate: Tetrachloro-m-xylene	72.4 %	16 - 105		B5J0177	10/07/2015	10/07/15 16:19	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B7-0.5 Lab ID: 1503387-13

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.6	1.0	1	B5J0187	10/07/2015	10/08/15 16:31	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	- 1	B5J0177	10/07/2015	10/07/15 16:29	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:29	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:29	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:29	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:29	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 16:29	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Endosulfan I	ND	1.0	1.	B5J0177	10/07/2015	10/07/15 16:29	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:29	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:29	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Methoxychlor	ND .	5.0	1	B5J0177	10/07/2015	10/07/15 16:29	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 16:29	
Surrogate: Decachlorobiphenyl	60.3 %	16 - 137		B5J0177	10/07/2015	10/07/15 16:29	
Surrogate: Tetrachloro-m-xylene	64.0 %	16 - 105		B5J0177	10/07/2015	10/07/15 16:29	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B8-0.5 Lab ID: 1503387-15

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.8	1.0	1	B5J0187	10/07/2015	10/08/15 16:34	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:40	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:40	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:40	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:40	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:40	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 16:40	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:40	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:40	
gamma-Chlordone	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 16:40	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 16:40	
Surrogate: Decachlorobiphenyl	55.1 %	16 - 137		B5J0177	10/07/2015	10/07/15 16:40	
Surrogate: Tetrachloro-m-xylene	53.0 %	16 - 105		B5J0177	10/07/2015	10/07/15 16:40	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-C

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121 Reported: 10/09/2015

> Client Sample ID B9-0.5 Lab ID: 1503387-17

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.2	1.0	1	B5J0187	10/07/2015	10/08/15 16:39	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4"-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:50	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:50	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:50	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:50	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:50	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 16:50	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 16:50	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:50	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 16:50	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 16:50	
Surrogate: Decachlorobiphenyl	64.9 %	16 - 137		B5J0177	10/07/2015	10/07/15 16:50	
Surrogate: Tetrachloro-m-xylene	65.7 %	16 - 105		B5J0177	10/07/2015	10/07/15 16:50	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B10-0.5 Lab ID: 1503387-19

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.7	1.0	1	B5J0187	10/07/2015	10/08/15 16:43	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:01	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:01	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:01	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:01	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:01	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 17:01	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:01	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:01	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 17:01	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 17:01	
Swrogate: Decachlorobiphenyl	66.7 %	16 - 137		B5J0177	10/07/2015	10/07/15 17:01	
Swrogate: Tetrachloro-m-xylene	70.5 %	16 - 105		B5J0177	10/07/2015	10/07/15 17:01	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B11-0.5 Lab ID: 1503387-21

Total Metals by ICP-AES EPA 6010B

Analyst: RR

	Result	PQL				Date/Time	
Analyte	(mg/kg)	(mg/kg)	Dilution	Batch	Prepared	Analyzed	Notes
Arsenic	1.3	1.0	1	B5J0187	10/07/2015	10/08/15 16:47	

Organochlorine Pesticides by EPA 8081

							Ananysti
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	ı	B5J0177	10/07/2015	10/07/15 17:11	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:11	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:11	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:11	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:11	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 17:11	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:11	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:11	
gamma-Chlordane	ND	1.0	1	BSJ0177	10/07/2015	10/07/15 17:11	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 17:11	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 17:11	
Surrogate: Decachlorobiphenyl	77.1 %	16 - 137		B5J0177	10/07/2015	10/07/15 17:11	
Surrogate: Tetrachloro-m-xylene	77.6 %	16 - 105		B5J0177	10/07/2015	10/07/15 17:11	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B12-0.5 Lab ID: 1503387-23

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.6	1.0	1	B5J0187	10/07/2015	10/08/15 16:50	

Organochlorine Pesticides by EPA 8081

							Analyst. C
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:22	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:22	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:22	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:22	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:22	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 17:22	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:22	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:22	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 17:22	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 17:22	
Surrogate: Decachlorobiphenyl	71.8 %	16 - 137		B5J0177	10/07/2015	10/07/15 17:22	
Surrogate: Tetrochloro-m-xylene	74.0 %	16 - 105		B5J0177	10/07/2015	10/07/15 17:22	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-C

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B13-0.5 Lab ID: 1503387-25

Total Metals by ICP-AES EPA 6010B

Analyst: RR

	Result	PQL				Date/Time	
Analyte	(mg/kg)	(mg/kg)	Dilution	Batch	Prepared	Analyzed	Notes
Arsenic	1.3	1.0	1	B5J0187	10/07/2015	10/08/15 16:54	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:32	
4,4"-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:32	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:32	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:32	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:32	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 17:32	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Endosulfan sulfate	ND	2.0	1	BSJ0177	10/07/2015	10/07/15 17:32	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:32	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:32	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 17:32	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 17:32	
Swrogate: Decachlorobiphenyl	75.1 %	16 - 137		B5J0177	10/07/2015	10/07/15 17:32	
Surrogate: Tetrachloro-m-xylene	77.8 %	16 - 105		B5J0177	10/07/2015	10/07/15 17:32	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B14-0.5 Lab ID: 1503387-27

Total Metals by ICP-AES EPA 6010B

Analyst: RR

	Result	PQL				Date/Time	
Analyte	(mg/kg)	(mg/kg)	Dilution	Batch	Prepared	Analyzed	Notes
Arsenic	1.2	1.0	1	B5J0187	10/07/2015	10/08/15 16:57	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:42	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:42	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:42	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:42	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:42	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 17:42	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:42	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:42	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 17:42	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 17:42	
Surragate: Decachlorobiphenyl	72.8 %	16 - 137		B5J0177	10/07/2015	10/07/15 17:42	
Surrogate: Tetrachloro-m-xylene	81.4 %	16 - 105		B5J0177	10/07/2015	10/07/15 17:42	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B15-0.5 Lab ID: 1503387-29

Total Metals by ICP-AES EPA 6010B

Analyst: RR

	Result	PQL				Date/Time	
Analyte	(mg/kg)	(mg/kg)	Dilution	Batch	Prepared	Analyzed	Notes
Arsenic	ND	1.0	1	B5J0187	10/07/2015	10/08/15 17:02	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:53	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:53	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:53	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:53	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:53	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 17:53	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 17:53	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:53	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 17:53	
Toxaphene	ND	- 50	1	B5J0177	10/07/2015	10/07/15 17:53	
Surrogate: Decachlorobiphenyl	71.3 %	16 - 137		B5J0177	10/07/2015	10/07/15 17:53	
Surrogate: Tetrachloro-m-xylene	78.0 %	16 - 105		B5J0177	10/07/2015	10/07/15 17:53	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B16-0.5 Lab ID: 1503387-31

Total Metals by ICP-AES EPA 6010B

Analyst: RR

	Result	PQL				Date/Time	
Analyte	(mg/kg)	(mg/kg)	Dilution	Batch	Prepared	Analyzed	Notes
Arsenic	1.0	1.0	1	B5J0187	10/07/2015	10/08/15 17:06	

Organochlorine Pesticides by EPA 8081

	Result	PQL				Date/Time	
Analyte	(ug/kg)	(ug/kg)	Dilution	Batch	Prepared	Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:03	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:03	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:03	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:03	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:03	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 18:03	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:03	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:03	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 18:03	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 18:03	
Swragate: Decachlorobiphenyl	77.2 %	16 - 137		B5J0177	10/07/2015	10/07/15 18:03	
Surrogate: Tetrachloro-m-xylene	80.5 %	16 - 105		B5J0177	10/07/2015	10/07/15 18:03	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B17-0.5 Lab ID: 1503387-33

Total Metals by ICP-AES EPA 6010B

Analyst: RR

	Result	PQL				Date/Time	
Analyte	(mg/kg)	(mg/kg)	Dilution	Batch	Prepared	Analyzed	Notes
Arsenic	ND	5.0	5	B5J0187	10/07/2015	10/09/15 10:31	D5

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:14	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:14	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:14	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:14	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:14	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 18:14	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:14	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:14	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:14	
Methoxychlor	ND	5.0	1	BSJ0177	10/07/2015	10/07/15 18:14	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 18:14	
Surrogate: Decachlorobiphenyl	79.0 %	16 - 137		B5J0177	10/07/2015	10/07/15 18:14	
Surrogate: Tetrachloro-m-xylene	79.6 %	16 - 105		B5J0177	10/07/2015	10/07/15 18:14	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive San Diego, CA 92121 Report To: Elizabeth Miller Reported: 10/09/2015

Client Sample ID B18-0.5 Lab ID: 1503387-35

Total Metals by ICP-AES EPA 6010B

Analyst: RR

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	1.1	1.0	1	B5J0187	10/07/2015	10/08/15 17:20	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:24	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:24	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:24	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:24	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:24	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 18:24	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:24	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:24	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 18:24	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 18:24	
Surrogate: Decachlorobiphenyl	81.8 %	16 - 137		B5J0177	10/07/2015	10/07/15 18:24	
Surrogate: Tetrachloro-m-xylene	82.1 %	16 - 105		B5J0177	10/07/2015	10/07/15 18:24	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller Reported: 10/09/2015

San Diego, CA 92121

Client Sample ID B19-0.5 Lab ID: 1503387-37

Total Metals by ICP-AES EPA 6010B

Analyst: RR

	Result	PQL				Date/Time	
Analyte	(mg/kg)	(mg/kg)	Dilution	Batch	Prepared	Analyzed	Notes
Arsenic	1.2	1.0	1	B5J0187	10/07/2015	10/08/15 17:23	

Organochlorine Pesticides by EPA 8081

							Analysti
Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:34	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:34	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:34	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:34	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:34	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 18:34	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Endosulfan I	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:34	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:34	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 18:34	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 18:34	
Surrogate: Decachlorobiphenyl	77.2 %	16 - 137		B5J0177	10/07/2015	10/07/15 18:34	
Surrogate: Tetrachloro-m-xylene	75.8 %	16 - 105		B5J0177	10/07/2015	10/07/15 18:34	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-C

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Client Sample ID B20-0.5 Lab ID: 1503387-39

Total Metals by ICP-AES EPA 6010B

Analyst: RR

	Result	PQL				Date/Time	
Analyte	(mg/kg)	(mg/kg)	Dilution	Batch	Prepared	Analyzed	Notes
Arsenic	1.1	1.0	1	B5J0187	10/07/2015	10/08/15 17:27	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:45	
4,4'-DDE	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:45	
4,4'-DDT	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Aldrin	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:45	
alpha-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:45	
alpha-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:45	
beta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Chlordane	ND	8.5	1	B5J0177	10/07/2015	10/07/15 18:45	
delta-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Dieldrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Endosulfan I	ND	1.0	1 .	B5J0177	10/07/2015	10/07/15 18:45	
Endosulfan II	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Endosulfan sulfate	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Endrin	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Endrin aldehyde	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Endrin ketone	ND	2.0	1	B5J0177	10/07/2015	10/07/15 18:45	
gamma-BHC	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:45	
gamma-Chlordane	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Heptachlor	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Heptachlor epoxide	ND	1.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Methoxychlor	ND	5.0	1	B5J0177	10/07/2015	10/07/15 18:45	
Toxaphene	ND	50	1	B5J0177	10/07/2015	10/07/15 18:45	
Surrogate: Decachlorobiphenyl	73.6 %	16 - 137		B5J0177	10/07/2015	10/07/15 18:45	
Surrogate: Tetrachloro-m-xylene	74.7 %	16 - 105		B5J0177	10/07/2015	10/07/15 18:45	



Geocon, Inc. Project

Project Number: Harmony Grove Village South, 9412-06-C

6960 Flanders Drive San Diego , CA 92121 Report To: Elizabeth Miller Reported: 10/09/2015

Client Sample ID B21-0.5 Lab ID: 1503387-41

Total Metals by ICP-AES EPA 6010B

Analyst: RR

	Result	PQL				Date/Time	
Analyte	(mg/kg)	(mg/kg)	Dilution	Batch	Prepared	Analyzed	Notes
Arsenie	1.9	1.0	1	B5J0188	10/07/2015	10/08/15 17:39	

Organochlorine Pesticides by EPA 8081

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	1	B5J0211	10/08/2015	10/09/15 10:10	
4,4'-DDE	ND	2.0	1	B5J0211	10/08/2015	10/09/15 10:10	
4,4'-DDT	ND	2.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Aldrin	ND	1.0	1	B5J0211	10/08/2015	10/09/15 10:10	
alpha-BHC	ND	1.0	1	B5J0211	10/08/2015	10/09/15 10:10	
alpha-Chlordane	ND	1.0	1	B5J0211	10/08/2015	10/09/15 10:10	
beta-BHC	ND	1.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Chlordane	ND	8.5	1	B5J0211	10/08/2015	10/09/15 10:10	
delta-BHC	ND	1.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Dieldrin	ND	2.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Endosulfan I	ND	1.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Endosulfan II	ND	2.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Endosulfan sulfate	ND	2.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Endrin	ND	2.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Endrin aldehyde	ND	2.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Endrin ketone	ND	2.0	1	B5J0211	10/08/2015	10/09/15 10:10	
gamma-BHC	ND	1.0	1	B5J0211	10/08/2015	10/09/15 10:10	
gamma-Chlordane	ND	1.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Heptachlor	ND	1.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Heptachlor epoxide	ND	1.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Methoxychlor	ND	5.0	1	B5J0211	10/08/2015	10/09/15 10:10	
Toxaphene	ND	50	1	B5J0211	10/08/2015	10/09/15 10:10	
Surrogate: Decachlorobiphenyl	87.7 %	16 - 137		B5J0211	10/08/2015	10/09/15 10:10	
Surrogate: Tetrachloro-m-xylene	80.2 %	16 - 103		B5J0211	10/08/2015	10/09/15 10:10	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/kg)	(mg/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B5J0187 - EPA 3050B_S									
Blank (B5J0187-BLK1)				Prepared	1: 10/7/2015	Analyzed: 10/8	/2015		
Arsenic	ND	1.0			NR				
LCS (B5J0187-BS1)				Prepared	1: 10/7/2015	Analyzed: 10/8	/2015		
Arsenic	45,4762	1.0	50.0000		91.0	80 - 120			
Matrix Spike (B5J0187-MS1)		Source: 1503	387-01	Prepared	1: 10/7/2015	Analyzed: 10/8	/2015		
Arsenie	107.983	1.0	125.000	1.90094	84.9	57 - 109			
Matrix Spike Dup (B5J0187-MSD1)		Source: 1503	387-01	Prepared	10/7/2015	Analyzed: 10/8	/2015		
Arsenic	108.301	1.0	125.000	1.90094	85.1	57 - 109	0.295	20	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Total Metals by ICP-AES EPA 6010B - Quality Control

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(mg/kg)	(mg/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B5J0188 - EPA 3050B_S									
Blank (B5J0188-BLK1)				Prepared	10/7/2015	Analyzed: 10/8	2015		
arsenie	ND	1.0			NR				
LCS (B5J0188-BS1)				Prepared	: 10/7/2015	Analyzed: 10/8	2015		
rsenic	44.1065	1.0	50.0000		88.2	80 - 120			
Matrix Spike (B5J0188-MS1)		Source: 1503	387-41	Prepared	: 10/7/2015	Analyzed: 10/8	2015		
rsenie	101.312	1.0	125.000	1.85257	79.6	57 - 109			
Matrix Spike Dup (B5J0188-MSD1)		Source: 1503	387-41	Prepared	: 10/7/2015	Analyzed: 10/8	/2015		
arsenic	99.9556	1.0	125.000	1.85257	78.5	57 - 109	1.35	20	



Analyte

Heptachlor

Heptachlor [2C]

Methoxychlor

Heptachlor epoxide

Heptachlor epoxide [2C]

Certificate of Analysis

Geocon, Inc. Project Number: Harmony Grove Village South, 9412-06-C

PQL

(ug/kg)

6960 Flanders Drive Report To: Elizabeth Miller San Diego, CA 92121 Reported: 10/09/2015

Result

(ug/kg)

ND

ND

ND

ND

ND

1.0

1.0

1.0

1.0

5.0

Organochlorine Pesticides by EPA 8081 - Quality Control

Spike

Level

Source

Result

% Rec

NR

NR

NR

NR.

NR

% Rec

Limits

RPD

Limit

Notes

RPD

	1-667	1-6-1-63	10.00	1.0
Batch B5J0177 - GCSEMI_PCB/	PEST_S			
Blank (B5J0177-BLK1)			Prepared: 10/7/2015 Analyzed: 10/7/2015	
4,4'-DDD	ND	2.0	NR	
4,4'-DDD [2C]	ND	2.0	NR	
4,4'-DDE	ND	2.0	NR	
4,4'-DDE [2C]	ND	2.0	NR	
4,4'-DDT	ND	2.0	NR	
4,4'-DDT [2C]	ND	2.0	NR	
Aldrin	ND	1.0	NR	
Aldrin [2C]	ND	1.0	NR	
alpha-BHC	ND	1.0	NR	
alpha-BHC [2C]	ND	1.0	NR	
alpha-Chlordane	ND	1.0	NR	
alpha-Chlordane [2C]	ND	1.0	NR	
beta-BHC	ND	1.0	NR	
beta-BHC [2C]	ND	1.0	NR	
Chlordane	ND	8.5	NR	
Chlordane [2C]	ND	8.5	NR	
delta-BHC	ND	1.0	NR	
delta-BHC [2C]	ND	1.0	NR	
Dieldrin	ND	2.0	NR	
Dieldrin [2C]	ND	2.0	NR	
Endosulfan I	ND	1.0	NR	
Endosulfan I [2C]	ND	1.0	NR	
Endosulfan II	ND	2.0	NR	
Endosulfan II [2C]	ND	2.0	NR	
Endosulfan sulfate	ND	2.0	NR	
Endosulfan Sulfate [2C]	ND	2.0	NR	
Endrin	ND	2.0	NR	
Endrin [2C]	ND	2.0	NR	
Endrin aldehyde	ND	2.0	NR	
Endrin aldehyde [2C]	ND	2.0	NR	
Endrin ketone	ND	2.0	NR	
Endrin ketone [2C]	ND	2.0	NR	
gamma-BHC	ND	1.0	NR	
gamma-BHC [2C]	ND	1.0	NR	
gamma-Chlordane	ND	1.0	NR	
gamma-Chlordane [2C]	ND	1.0	NR	
Hantadda.	2.00		NID	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B5J0177 - GCSEMI_PCB/PEST	Γ_S (continued)								
Blank (B5J0177-BLK1) - Continued				Prepared	d: 10/7/2015	Analyzed: 10/7/	2015		
Methoxychlor [2C]	ND	5.0			NR				
Foxaphene	ND	50			NR				
Foxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	12.23		16.6667		73.4	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	10.50		16.6667		63.0	16 - 137			
Surrogate: Tetrachloro-m-xylene	12.78		16.6667		76.7	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	14.16		16.6667		84.9	16 - 105			
LCS (B5J0177-BS1)				Prepare	d: 10/7/2015	Analyzed: 10/7	/2015		
4'-DDD	12.0505	2.0	16,6667		72.3	58 - 100			
,4'-DDD [2C]	12.9880	2.0	16.6667		77.9	58 - 100			
,4'-DDE	12.4945	2.0	16.6667		75.0	65 - 99			
,4'-DDE [2C]	14.0910	2.0	16.6667		84.5	65 - 99			
,4'-DDT	11.1905	2.0	16.6667		67.1	39 - 116			
,4'-DDT [2C]	9.14517	2.0	16.6667		54.9	39 - 116			
Aldrin	12.3852	1.0	16.6667		74.3	57 - 94			
ddrin [2C]	14.2478	1.0	16.6667		85.5	57 - 94			
lpha-BHC	12.9983	1.0	16.6667		78.0	58 - 84			
lpha-BHC [2C]	14.6360	1.0	16.6667		87.8	58 - 84			L3
lpha-Chlordane	11.9005	1.0	16.6667		71.4	58 - 96			
lpha-Chlordane [2C]	13.4073	1.0	16.6667		80.4	58 - 96			
eta-BHC	12.2537	1.0	16.6667		73.5	58 - 87			
eta-BHC [2C]	13.6552	1.0	16.6667		81.9	58 - 87			
elta-BHC	13.0487	1.0	16.6667		78.3	18 - 75			L3
elta-BHC [2C] Dieldrin	15.4177	2.0	16.6667		92.5 70.3	18 - 75			L3
Dieldrin [2C]	11.7100	2.0	16.6667		76.5	62 - 94 62 - 94			
indosulfan I	11.2007	1.0	16.6667		67.2	58 - 90			
Endosulfan I [2C]	12.5285	1.0	16.6667		75.2	58 - 90			
indosulfan II	11.5638	2.0	16.6667		69.4	63 - 95			
indosulfan II [2C]	12.3180	2.0	16.6667		73.9	63 - 95			
Endosulfan sulfate	12.3890	2.0	16.6667		74.3	59 - 89			
Endosulfan Sulfate [2C]	13.1937	2.0	16.6667		79.2	59 - 89			
indrin	11.9493	2.0	16.6667		71.7	64 - 96			
indrin [2C]	12.8440	2.0	16.6667		77.1	64 - 96			
indrin aldehyde	11.8147	2.0	16.6667		70.9	65 - 95			
indrin aldehyde [2C]	13.1052	2.0	16.6667		78.6	65 - 95			
Indrin ketone	13.1532	2.0	16.6667		78.9	59 - 101			
Endrin ketone [2C]	12.4438	2.0	16.6667		74.7	59 - 101			
samma-BHC	13.1510	1.0	16.6667		78.9	63 - 89			
gamma-BHC [2C]	14.5158	1.0	16.6667		87.1	63 - 89			



Project Number: Harmony Grove Village South, 9412-06-0 Geocon, Inc.

6960 Flanders Drive Report To: Elizabeth Miller San Diego, CA 92121 Reported: 10/09/2015

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B5J0177 - GCSEMI_PCB/PEST	Γ_S (continued)								
LCS (B5J0177-BS1) - Continued				Prepare	d: 10/7/2015	Analyzed: 10/7	/2015		
gamma-Chlordane	12.1113	1.0	16.6667		72.7	61 - 95			
amma-Chlordane [2C]	13.4493	1.0	16.6667		80.7	61 - 95			
leptachlor	12.4455	1.0	16.6667		74.7	65 - 102			
leptachlor [2C]	13.4853	1.0	16.6667		80.9	65 - 102			
leptachlor epoxide	12.1810	1.0	16.6667		73.1	61 - 95			
leptachlor epoxide [2C]	13.6350	1.0	16.6667		81.8	61 - 95			
fethoxychlor	10.8788	5.0	16.6667		65.3	29 - 128			
fethoxychlor [2C]	7.79017	5.0	16.6667		46.7	29 - 128			
Surrogate: Decachlorobiphenyl	12.26		16.6667		73.5	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	10.52		16.6667		63.1	16 - 137			
Surrogate: Tetrachloro-m-xylene	12.91		16,6667		77.5	16 - 105			
Surrogate: Tetrackloro-m-xylene [2C]	14.52		16.6667		87.1	16 - 105			
Matrix Spike (B5J0177-MS1)		Source: 1503	387-05	Prepare	d: 10/7/2015	Analyzed: 10/7	/2015		
4'-DDD	9.28250	2.0	16.6667	ND	55.7	27 - 123			
4'-DDD [2C]	10.0128	2.0	16,6667	ND	60.1	27 - 123			
4'-DDE	8,90967	2.0	16.6667	ND	53.5	28 - 126			
,4'-DDE [2C]	9.91783	2.0	16.6667	ND	59.5	28 - 126			
4'-DDT	8.89017	2.0	16,6667	ND	53.3	12 - 149			
4'-DDT [2C]	8.08850	2.0	16.6667	ND	48.5	12 - 149			
Aldrin	8.49083	1.0	16.6667	ND	50.9	29 - 116			
Aldrin [2C]	9.32967	1.0	16.6667	ND	56.0	29 - 116			
lpha-BHC	11.6815	1.0	16.6667	ND	70.1	27 - 104			
lpha-BHC [2C]	13.1720	1.0	16.6667	ND	79.0	27 - 104			
lpha-Chlordane	8.93833	1.0	16.6667	ND	53.6	14 - 130			
Ipha-Chlordane [2C]	9.96617	1.0	16.6667	ND	59.8	14 - 130			
eta-BHC	12.0515	1.0	16.6667	ND	72.3	20 - 115			
eta-BHC [2C]	13.6323	1.0	16.6667	ND	81.8	20 - 115			
lelta-BHC	13.1690	1.0	16.6667	ND	79.0	8 - 78			M7
lelta-BHC [2C]	15.4170	1.0	16.6667	ND	92.5	8 - 78			M7
Dieldrin	9.20950	2.0	16.6667	ND	55.3	20 - 134			
Dieldrin [2C]	9.92250	2.0	16.6667	ND	59.5	20 - 134			
indosulfan I	8.80617	1.0	16.6667	ND	52.8	27 - 114			
indosulfan I [2C]	9.77117	1.0	16.6667	ND	58.6	27 - 114			
Endosulfan II	9.86267	2.0	16.6667	ND	59.2	16 - 125			
indosulfan II [2C]	10.1702	2.0	16.6667	ND	61.0	16 - 125			
indosulfan sulfate	10.5063	2.0	16.6667	ND	63.0	1 - 126			
indosulfan Sulfate [2C]	10,9725	2.0	16.6667	ND	65.8	1 - 126			
Endrin	9.53083	2.0	16.6667	ND	57.2	33 - 122			
indrin [2C]	10.2607	2.0	16.6667	ND	61.6	33 - 122			
Endrin aldehyde	10.6968	2.0	16,6667	ND	64.2	0 - 137			



Geocon, Inc. Project Number: Harmony Grove Village South, 9412-06-C

PQL

6960 Flanders Drive Report To: Elizabeth Miller San Diego, CA 92121 Reported: 10/09/2015

Result

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Spike

Source

Analyte	resour	1.00	Opine	Domee		70 1000	RPD	Limit	Notes
	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits			
Batch B5J0177 - GCSEMI_PCB/PEST_5	S (continued))							
Matrix Spike (B5J0177-MS1) - Continued		Source: 1503	Source: 1503387-05		Prepared: 10/7/2015 Analyzed: 10/7/				
Endrin aldehyde [2C]	11.7078	2.0	16.6667	ND	70.2	0 - 137			
Endrin ketone	11.3115	2.0	16.6667	ND	67.9	10 - 126			
Endrin ketone [2C]	10.4085	2.0	16.6667	ND	62.5	10 - 126			
şamma-BHC	12.2880	1.0	16.6667	ND	73.7	30 - 111			
amma-BHC [2C]	13.6092	1.0	16.6667	ND	81.7	30 - 111			
amma-Chlordane	8.98200	1.0	16.6667	ND	53.9	16 - 130			
samma-Chlordane [2C]	9.98483	1.0	16.6667	ND	59.9	16 - 130			
Teptachlor	9.25483	1.0	16.6667	ND	55.5	34 - 127			
ieptachlor [2C]	10.1700	1.0	16.6667	ND	61.0	34 - 127			
Septachlor epoxide	9.74767	1.0	16.6667	ND	58.5	19 - 130			
Heptachlor epoxide [2C]	10.5552	1.0	16.6667	ND	63.3	19 - 130			
Methoxychlor	8.54650	5.0	16.6667	ND	51.3	16 - 153			
Methoxychlor [2C]	7.64150	5.0	16.6667	ND	45.8	16 - 153			
Surrogate: Decachlorobiphenyl	8.489		16.6667		50.9	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	7.172		16.6667		43.0	16 - 137			
Surrogate: Tetrachloro-m-xylene	9.153		16.6667		54.9	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	10.28		16.6667		61.7	16 - 105			
Matrix Spike Dup (BSJ0177-MSD1)		Source: 1503	387-05	Prepared: 10/7/2015 Analyzed: 10/7/2015			/2015		
1,4'-DDD	9.50267	2.0	16.6667	ND	57.0	27 - 123	2.34	20	
,4'-DDD [2C]	10.1732	2.0	16.6667	ND	61.0	27 - 123	1.59	20	
,4'-DDE	9.34633	2.0	16,6667	ND	56.1	28 - 126	4.78	20	
1,4'-DDE [2C]	10.4033	2.0	16.6667	ND	62.4	28 - 126	4.78	20	
L4'-DDT	8.58000	2.0	16.6667	ND	51.5	12 - 149	3.55	20	
,4'-DDT [2C]	7.42550	2.0	16.6667	ND	44.6	12 - 149	8.55	20	
Aldrin	9.11300	1.0	16.6667	ND	54.7	29 - 116	7.07	20	
Aldrin [2C]	10.2798	1.0	16.6667	ND	61.7	29 - 116	9.69	20	
lpha-BHC	12.3500	1.0	16.6667	ND	74.1	27 - 104	5.56	20	
ilpha-BHC [2C]	13.8138	1.0	16.6667	ND	82.9	27 - 104	4.76	20	
lpha-Chlordane	9.40950	1.0	16.6667	ND	56.5	14 - 130	5.14	20	
alpha-Chlordane [2C]	10.4483	1.0	16,6667	ND	62.7	14 - 130	4.72	20	
peta-BHC	12.1997	1.0	16.6667	ND	73.2	20 - 115	1.22	20	
beta-BHC [2C]	13.7653	1.0	16.6667	ND	82.6	20 - 115	0.971	20	
felta-BHC	13.1115	1.0	16.6667	ND	78.7	8 - 78	0.438	20	M7
delta-BHC [2C]	15.4370	1.0	16.6667	ND	92.6	8 - 78	0.130	20	M7
Dieldrin	9.57183	2.0	16.6667	ND	57.4	20 - 134	3.86	20	
Dieldrin [2C]	10.3465	2.0	16.6667	ND	62.1	20 - 134	4.18	20	
Endosulfan I	9.27467	1.0	16.6667	ND	55.6	27 - 114	5.18	20	
Endosulfan I [2C]	10.2595	1.0	16.6667	ND	61.6	27 - 114	4.88	20	
Endosulfan II	10.0700	2.0	16.6667	ND	60.4	16 - 125	2.08	20	
Endosulfan II [2C]	10.5983	2.0	16.6667	ND	63.6	16 - 125	4.12	20	

RPD

% Rec



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Analyte	Result	PQL	Spike	Source		% Rec		RPD	
	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B5J0177 - GCSEMI_PCB/PEST	_S (continued)								
Matrix Spike Dup (B5J0177-MSD1) - Con	tinued	Source: 1503	387-05	Prepare	d: 10/7/2015	Analyzed: 10/7/	/2015		
Endosulfan sulfate	11.0797	2.0	16.6667	ND	66.5	1 - 126	5.31	20	
Endosulfan Sulfate [2C]	11.7578	2.0	16.6667	ND	70.5	1 - 126	6.91	20	
Endrin	9.86383	2.0	16.6667	ND	59.2	33 - 122	3.43	20	
Endrin [2C]	10.5795	2.0	16.6667	ND	63.5	33 - 122	3.06	20	
Endrin aldehyde	11.0833	2.0	16.6667	ND	66.5	0 - 137	3.55	20	
Endrin aldehyde [2C]	12.0900	2.0	16,6667	ND	72.5	0 - 137	3.21	20	
Endrin ketone	11.6045	2.0	16.6667	ND	69.6	10 - 126	2.56	20	
Endrin ketone [2C]	11.2163	2.0	16.6667	ND	67.3	10 - 126	7.47	20	
gamma-BHC	12.6475	1.0	16.6667	ND	75.9	30 - 111	2.88	20	
gamma-BHC [2C]	13.9607	1.0	16.6667	ND	83.8	30 - 111	2.55	20	
gamma-Chlordane	9.51900	1.0	16.6667	ND	57.1	16 - 130	5.81	20	
gamma-Chlordane [2C]	10.5385	1.0	16.6667	ND	63.2	16 - 130	5.40	20	
Heptachlor	9.76933	1.0	16.6667	ND	58.6	34 - 127	5.41	20	
Heptachlor [2C]	10.6293	1.0	16.6667	ND	63.8	34 - 127	4.42	20	
Heptachlor epoxide	10.1645	1.0	16.6667	ND	61.0	19 - 130	4.19	20	
Heptachlor epoxide [2C]	11.2045	1.0	16.6667	ND	67.2	19 - 130	5.97	20	
Methoxychlor	8.31700	5.0	16.6667	ND	49.9	16 - 153	2.72	20	
Methoxychlor [2C]	6.12933	5.0	16.6667	ND	36.8	16 - 153	22.0	20	R
Surrogate: Decachlorobiphenyl	8.982		16.6667		53.9	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	7.800		16.6667		46.8	16 - 137			
Surrogate: Tetrachloro-m-xylene	9.907		16.6667		59.4	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	11.08		16.6667		66.5	16 - 105			



Project Number: Harmony Grove Village South, 9412-06-0 Geocon, Inc.

Report To: Elizabeth Miller 6960 Flanders Drive Reported: 10/09/2015 San Diego, CA 92121

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B5J0211 - GCSEMI_PCB	/PEST_S								
Blank (B5J0211-BLK1)				Prepare	d: 10/8/2015	Analyzed: 10/9	/2015		
4.4'-DDD	ND	2.0			NR				
1,4'-DDD [2C]	ND	2.0			NR				
4,4'-DDE	ND	2.0			NR				
(4'-DDE [2C]	ND	2.0			NR				
,4'-DDT	ND	2.0			NR				
4,4'-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
lpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
lpha-Chlordane [2C]	ND	1.0			NR				
octa-BHC	ND	1.0			NR				
octa-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
icita-BHC	ND	1.0			NR				
ielta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				



Project Number: Harmony Grove Village South, 9412-06-0 Geocon, Inc.

6960 Flanders Drive Report To: Elizabeth Miller San Diego, CA 92121 Reported: 10/09/2015

Analyte	Result	PQL	Spike	Source		% Rec		RPD	
	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B5J0211 - GCSEMI_PCB/PEST	C S (continued)								
Blank (B5J0211-BLK1) - Continued	_o (continuca)			Prenare	I- 10/8/2015	Analyzed: 10/9	2015		
dethoxychlor [2C]	ND	5.0		Trepare	NR	umiyacu. rusa	2013		
Foxaphene	ND	50			NR				
Foxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	15.10		16.6667		90.6	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	13.09		16.6667		78.5	16 - 137			
Surrogate: Tetrachloro-m-xylene	14.10		16.6667		84.6	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	13.56		16.6667		81.3	16 - 105			
	13.50		10.0007						
LCS (B5J0211-BS1)				Prepare	± 10/8/2015	Analyzed: 10/9	/2015		
,4'-DDD	15.2445	2.0	16.6667		91.5	58 - 100			
,4'-DDD [2C]	13.9405	2.0	16,6667		83.6	58 - 100			
,4'-DDE	16.0488	2.0	16.6667		96.3	65 - 99			
,4'-DDE [2C]	14.6703	2.0	16.6667		88.0	65 - 99			
,4'-DDT	14.9777	2.0	16,6667		89.9	39 - 116			
,4'-DDT [2C]	12.2370	2.0	16.6667		73.4	39 - 116			
Aldrin	14.8965	1.0	16.6667		89.4	57 - 94			
Aldrin [2C]	14.3182	1.0	16.6667		85.9	57 - 94			
lpha-BHC	13.8955	1.0	16.6667		83.4	58 - 84			
lpha-BHC [2C]	13.6848	1.0	16.6667		82.1	58 - 84			
lpha-Chlordane	15.3258	1.0	16.6667		92.0	58 - 96			
lpha-Chlordane [2C]	14.5482	1.0	16.6667		87.3	58 - 96			
eta-BHC	13.7703	1.0	16.6667		82.6	58 - 87			
eta-BHC [2C]	13.5632	1.0	16.6667		81.4	58 - 87			
elta-BHC	14.6052	1.0	16.6667		87.6	18 - 75			L3
elta-BHC [2C]	14.3170	1.0	16.6667		85.9	18 - 75			L3
Dieldrin	15.7950	2.0	16.6667		94.8	62 - 94			L3
Dieldrin [2C]	14.3442	2.0	16.6667		86.1	62 - 94			
indosulfan I	14.7443	1.0	16.6667		88.5	58 - 90			
indosulfan I [2C]	13.8208	1.0	16.6667		82.9	58 - 90			
Endosulfan II	15.5343	2.0	16.6667		93.2	63 - 95			
Endosulfan II [2C]	14.4023	2.0	16.6667		86.4	63 - 95			
Indosulfan sulfate	17.3488	2.0	16.6667		104	59 - 89			L3
Endosulfan Sulfate [2C]	14.7455	2.0	16.6667		88.5	59 - 89			
Endrin	15.7538	2.0	16.6667		94.5	64 - 96			
indrin [2C]	14.5993	2.0	16.6667		87.6	64 - 96			
Indrin aldehyde	17.5317	2.0	16.6667		105	65 - 95			L3
Endrin aldehyde [2C]	13.9527	2.0	16.6667		83.7	65 - 95			
indrin ketone	17.4383	2.0	16.6667		105	59 - 101			L3
Endrin ketone [2C]	13.9535	2.0	16,6667		83.7	59 - 101			
gamma-BHC	14.4757	1.0	16.6667		86.9	63 - 89			
gamma-BHC [2C]	14.5253	1.0	16.6667		87.2	63 - 89			



Geocon, Inc. Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive Report To: Elizabeth Miller San Diego, CA 92121 Reported: 10/09/2015

	Result	PQL	Spike	Source		% Rec		RPD	
Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
atch B5J0211 - GCSEMI_PCB/PEST	_S (continued)								
.CS (B5J0211-BS1) - Continued				Prepared	d: 10/8/2015	Analyzed: 10/9.	2015		
amma-Chlordane	15.6078	1.0	16.6667		93.6	61 - 95			
amma-Chlordane [2C]	14.3853	1.0	16.6667		86.3	61 - 95			
leptachlor	14.7343	1.0	16,6667		88.4	65 - 102			
leptachlor [2C]	14.6747	1.0	16.6667		88.0	65 - 102			
eptachlor epoxide	15.2543	1.0	16.6667		91.5	61 - 95			
eptachlor epoxide [2C]	14.6288	1.0	16.6667		87.8	61 - 95			
fethoxychlor	14.5598	5.0	16.6667		87.4	29 - 128			
fethoxychlor [2C]	12.4020	5.0	16.6667		74.4	29 - 128			
Surrogate: Decachlorobiphenyl	13.09		16.6667		78.5	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	10.98		16.6667		65.9	16 - 137			
Surrogate: Tetrachloro-m-xylene	13.47		16.6667		80.8	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	12.52		16.6667		75.1	16 - 105			
Duplicate (BSJ0211-DUP1)		Source: 1503	3436-01	Prepare	d: 10/8/2015	Analyzed: 10/9	/2015		
A'-DDD	ND	2.0		ND	NR			20	
4'-DDD [2C]	ND	2.0		ND	NR			20	
4'-DDE	ND	2.0		ND	NR			20	
4'-DDE[2C]	ND	2.0		ND	NR			20	
,4'-DDT	ND	2.0		ND	NR			20	
,4'-DDT [2C]	ND	2.0		ND	NR			20	
Aldrin	ND	1.0		ND	NR			20	
Aldrin [2C]	ND	1.0		ND	NR			20	
lpha-BHC	ND	1.0		ND	NR			20	
lpha-BHC [2C]	ND	1.0		ND	NR			20	
lpha-Chlordane	ND	1.0		ND	NR			20	
lpha-Chlordane [2C]	ND	1.0		ND	NR			20	
eta-BHC	ND	1.0		ND	NR			20	
eta-BHC [2C]	ND	1.0		ND	NR			20	
elta-BHC	ND	1.0		ND	NR			20	
lelta-BHC [2C]	ND	1.0		ND	NR			20	
Dieldrin	ND	2.0		ND	NR			20	
Dieldrin [2C]	ND	2.0		ND	NR			20	
indosulfan I	ND	1.0		ND	NR			20	
indosulfan I [2C]	ND	1.0		ND	NR			20	
Indosulfan II	ND	2.0		ND	NR			20	
indosulfan II [2C]	ND	2.0		ND	NR			20	
indosulfan sulfate	ND	2.0		ND	NR			20	
indosulfan Sulfate [2C]	ND	2.0		ND	NR			20	
Endrin	ND	2.0		ND	NR			20	
indrin [2C]	ND	2.0		ND	NR			20	
Endrin aldehyde	ND	2.0		ND	NR			20	



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Analyte	Result	PQL	Spike	Source		% Rec		RPD	
	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Notes
Batch B5J0211 - GCSEMI_PCB/PEST_	S (continued)								
Duplicate (B5J0211-DUP1) - Continued		Source: 1503	436-01	Prepared	± 10/8/2015	Analyzed: 10/9	2015		
Endrin aldehyde [2C]	ND	2.0		ND	NR			20	
Endrin ketone	ND	2.0		ND	NR			20	
Endrin ketone [2C]	ND	2.0		ND	NR			20	
gamma-BHC	ND	1.0		ND	NR			20	
gamma-BHC [2C]	ND	1.0		ND	NR			20	
gamma-Chlordane	ND	1.0		ND	NR			20	
gamma-Chlordane [2C]	ND	1.0		ND	NR			20	
Teptachlor	ND	1.0		ND	NR			20	
Heptachlor [2C]	ND	1.0		ND	NR			20	
Heptachlor epoxide	ND	1.0		ND	NR			20	
Heptachlor epoxide [2C]	ND	1.0		ND	NR			20	
Methoxychlor	ND	5.0		ND	NR			20	
Methoxychlor [2C]	ND	5.0		ND	NR			20	
Surrogate: Decachlorobiphenyl	25.08		33.3333		75.2	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	21.50		33.3333		64.5	16 - 137			
Surrogate: Tetrachloro-m-xylene	24.60		33.3333		73.8	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	23.79		33.3333		71.4	16 - 105			
Matrix Spike (B5J0211-MS1)		Source: 1503	436-03	Prepare	d: 10/8/2015	Analyzed: 10/9	/2015		
4,4'-DDD	11.1578	2.0	16.6667	ND	66.9	27 - 123			
4,4'-DDD [2C]	9.99083	2.0	16.6667	ND	59.9	27 - 123			
4,4'-DDE	11,4818	2.0	16,6667	ND	68.9	28 - 126			
4,4'-DDE [2C]	10.1080	2.0	16.6667	ND	60.6	28 - 126			
4,4'-DDT	10.7643	2.0	16.6667	ND	64.6	12 - 149			
4,4'-DDT [2C]	8,63483	2.0	16.6667	ND	51.8	12 - 149			
Aldrin	10.6487	1.0	16.6667	ND	63.9	29 - 116			
Aldrin [2C]	9.70450	1.0	16.6667	ND	58.2	29 - 116			
alpha-BHC	11.8690	1.0	16.6667	ND	71.2	27 - 104			
alpha-BHC [2C]	11.1467	1.0	16.6667	ND	66.9	27 - 104			
alpha-Chlordane	11.4383	1.0	16.6667	ND	68.6	14 - 130			
alpha-Chlordane [2C]	10.1975	1.0	16.6667	ND	61.2	14 - 130			
beta-BHC	12.0897	1.0	16.6667	ND	72.5	20 - 115			
beta-BHC [2C]	11.1273	1.0	16.6667	ND	66.8	20 - 115			
delta-BHC	12.4552	1.0	16.6667	ND	74.7	8 - 78			
delta-BHC [2C]	11.4795	1.0	16.6667	ND	68.9	8 - 78			
Dieldrin	12.1270	2.0	16.6667	ND	72.8	20 - 134			
Dieldrin [2C]	10.1800	2.0	16.6667	ND	61.1	20 - 134			
Endosulfan I	11.4665	1.0	16.6667	ND	68.8	27 - 114			
Endosulfan I [2C]	10.0962	1.0	16.6667	ND	60.6	27 - 114			
Endosulfan II	11.8425	2.0	16,6667	ND	71.1	16 - 125			
Endosulfan II [2C]	10.5613	2.0	16.6667	ND	63.4	16 - 125			



Geocon, Inc. Project Number: Harmony Grove Village South, 9412-06-0

PQL

6960 Flanders Drive Report To: Elizabeth Miller San Diego, CA 92121 Reported: 10/09/2015

Result

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Spike

Source

Analyte	(ug/kg)	(ug/kg)	Level	Result	% Rec	Limits	RPD	Limit	Note
Batch B5J0211 - GCSEMI_PCB/PEST_	S (continued)								
Matrix Spike (B5J0211-MS1) - Continued		Source: 1503	436-03	Prepared	d: 10/8/2015	Analyzed: 10/9/	2015		
Endosulfan sulfate	10.5362	2.0	16.6667	ND	63.2	1 - 126			
Endosulfan Sulfate [2C]	8.07883	2.0	16.6667	ND	48.5	1 - 126			
Endrin	12.3535	2.0	16.6667	ND	74.1	33 - 122			
Endrin [2C]	10.7183	2.0	16.6667	ND	64.3	33 - 122			
Endrin aldehyde	8.90483	2.0	16.6667	ND	53.4	0 - 137			
Endrin aldehyde [2C]	6,77900	2.0	16.6667	ND	40.7	0 - 137			
Endrin ketone	11.0962	2.0	16.6667	ND	66.6	10 - 126			
Endrin ketone [2C]	8.83350	2.0	16.6667	ND	53.0	10 - 126			
gamma-BHC	12.3952	1.0	16.6667	ND	74.4	30 - 111			
gamma-BHC [2C]	11.8512	1.0	16.6667	ND	71.1	30 - 111			
gamma-Chlordane	11.5038	1.0	16.6667	ND	69.0	16 - 130			
gamma-Chlordane [2C]	10.0578	1.0	16.6667	ND	60.3	16 - 130			
Heptachlor	10.9380	1.0	16.6667	ND	65.6	34 - 127			
Heptachlor [2C]	10.0850	1.0	16.6667	ND	60.5	34 - 127			
Heptachlor epoxide	11.7283	1.0	16.6667	ND	70.4	19 - 130			
Heptachlor epoxide [2C]	10.7312	1.0	16.6667	ND	64.4	19 - 130			
Methoxychlor	11.2308	5.0	16.6667	ND	67.4	16 - 153			
Methoxychlor [2C]	7.71383	5.0	16.6667	ND	46.3	16 - 153			
Surrogate: Decachlorobiphenyl	10.02		16.6667		60.1	16 - 137			
Swrogate: Decachlorobiphenyl [2C]	7.926		16.6667		47.6	16 - 137			
Surrogate: Tetrachloro-m-xylene	9.041		16.6667		54.2	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	8.660		16.6667		52.0	16 - 105			
Matrix Spike Dup (B5J0211-MSD1)		Source: 150	3436-03	Prepared: 10/8/2015 Analyzed: 10/9/2015					
4,4'-DDD	12.8540	2.0	16.6667	ND	77.1	27 - 123	14.1	20	
4,4'-DDD [2C]	12.5418	2.0	16.6667	ND	75.3	27 - 123	22.6	20	R2
4,4'-DDE	13.9667	2.0	16.6667	ND	83.8	28 - 126	19.5	20	
4,4'-DDE [2C]	13.7978	2.0	16.6667	ND	82.8	28 - 126	30.9	20	R2
4,4'-DDT	14.0413	2.0	16.6667	ND	84.2	12 - 149	26.4	20	R2
4,4'-DDT [2C]	11.5353	2.0	16.6667	ND	69.2	12 - 149	28.8	20	R2
Aldrin	13.8758	1.0	16.6667	ND	83.3	29 - 116	26.3	20	R2
Aldrin [2C]	13.1333	1.0	16.6667	ND	78.8	29 - 116	30.0	20	R2
alpha-BHC	13.1953	1.0	16.6667	ND	79.2	27 - 104	10.6	20	
alpha-BHC [2C]	12.3950	1.0	16.6667	ND	74.4	27 - 104	10.6	20	
alpha-Chlordane	13.0675	1.0	16.6667	ND	78.4	14 - 130	13.3	20	
alpha-Chlordane [2C]	13.1912	1.0	16.6667	ND	79.1	14 - 130	25.6	20	R2
beta-BHC	12.5165	1.0	16.6667	ND	75.1	20 - 115	3.47	20	
beta-BHC [2C]	11.8987	1.0	16.6667	ND	71.4	20 - 115	6.70	20	
delta-BHC	12.9203	1.0	16.6667	ND	77.5	8 - 78	3.67	20	
delta-BHC [2C]	12.0905	1.0	16.6667	ND	72.5	8 - 78	5.18	20	
Dieldrin	13.0845	2.0	16.6667	ND	78.5	20 - 134	7.60	20	

RPD

% Rec



Geocon, Inc.

Project Number: Harmony Grove Village South, 9412-06-0

6960 Flanders Drive

Report To: Elizabeth Miller

San Diego, CA 92121

Reported: 10/09/2015

Analyte	Result	PQL	Spike	Source Result		% Rec		RPD Limit	Notes
	(ug/kg)	(ug/kg)	Level		% Rec	Limits	RPD		
Batch B5J0211 - GCSEMI_PCB/PES	Γ_S (continued)							
Matrix Spike Dup (B5J0211-MSD1) - Cor	itinued	Source: 1503	436-03	Prepare	d: 10/8/2015	Analyzed: 10/9/	2015		
Dieldrin [2C]	12.2922	2.0	16.6667	ND	73.8	20 - 134	18.8	20	
Endosulfan I	12.5190	1.0	16.6667	ND	75.1	27 - 114	8.78	20	
Endosulfan I [2C]	12.2640	1.0	16.6667	ND	73.6	27 - 114	19.4	20	
Endosulfan II	12.5883	2.0	16.6667	ND	75.5	16 - 125	6.11	20	
Endosulfan II [2C]	11.9235	2.0	16.6667	ND	71.5	16 - 125	12.1	20	
Endosulfan sulfate	12.2840	2.0	16.6667	ND	73.7	1 - 126	15.3	20	
Endosulfan Sulfate [2C]	9.33583	2.0	16.6667	ND	56.0	1 - 126	14.4	20	
Endrin	13.3202	2.0	16.6667	ND	79.9	33 - 122	7.53	20	
Endrin [2C]	12.9077	2.0	16.6667	ND	77.4	33 - 122	18.5	20	
Endrin aldehyde	9,56700	2.0	16.6667	ND	57.4	0 - 137	7.17	20	
Endrin aldehyde [2C]	7.21600	2.0	16.6667	ND	43.3	0 - 137	6.25	20	
Endrin ketone	12.4093	2.0	16.6667	ND	74.5	10 - 126	11.2	20	
Endrin ketone [2C]	9.94550	2.0	16.6667	ND	59.7	10 - 126	11.8	20	
gamma-BHC	13.5343	1.0	16.6667	ND	81.2	30 - 111	8.79	20	
gamma-BHC [2C]	12.9143	1.0	16,6667	ND	77.5	30 - 111	8.59	20	
gamma-Chlordane	13,4607	1.0	16.6667	ND	80.8	16 - 130	15.7	20	
gamma-Chlordane [2C]	12.7807	1.0	16.6667	ND	76.7	16 - 130	23.8	20	R2
Heptachlor	14.2420	1.0	16.6667	ND	85.5	34 - 127	26.2	20	R2
Heptachlor [2C]	13.3222	1.0	16.6667	ND	79.9	34 - 127	27.7	20	R2
Heptachlor epoxide	13.4010	1.0	16.6667	ND	80.4	19 - 130	13.3	20	
Heptachlor epoxide [2C]	12.8513	1.0	16.6667	ND	77.1	19 - 130	18.0	20	
Methoxychlor	13.6425	5.0	16.6667	ND	81.9	16 - 153	19.4	20	
Methoxychlor [2C]	9.38083	5.0	16.6667	ND	56.3	16 - 153	19.5	20	
Surrogate: Decachlorobiphenyl	12.58		16.6667		75.5	16 - 137			
Surrogate: Decachlorobiphenyl [2C]	10.76		16.6667		64.6	16 - 137			
Surrogate: Tetrachloro-m-xylene	11.38		16.6667		68.3	16 - 105			
Surrogate: Tetrachloro-m-xylene [2C]	11.08		16.6667		66.5	16 - 105			



Geocon, Inc. Project Number: Harmony Grove Village South, 9412-06-C

6960 Flanders Drive Report To: Elizabeth Miller San Diego, CA 92121 Reported: 10/09/2015

Notes and Definitions

RPD value outside acceptance criteria due to possible matrix interference.

R RPD value outside acceptance criteria. Calculation is based on raw values.

M7 Matrix spike was high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.

L3 Laboratory control sample outside in-house established limits but within method criteria.

D5 Sample diluted due to failing internal standard in the original run.

ND Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL,

analyte is not detected at or above the Method Detection Limit (MDL)

PQL Practical Quantitation Limit

MDL Method Detection Limit

NR Not Reported

RPD Relative Percent Difference

CA2 CA-ELAP (CDPH)

ORI OR-NELAP (OSPHL)

TX1 TX-NELAP (TCEQ)

Notes:

(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.

(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.

(3) Results are wet unless otherwise specified.

YON DY YO NGP'S. IF OF SPLS MATCH COC Y ZI-YI O YONE QA/QC Time: 1/00 L/ry Time: 1305 REMARKS BTN C1 H=Hcl N=HNO, S=H,SO, C=4°C O=NaOH T=Na₂S₂O₃ SWRCB OTHER. Logoode ਨ Time: ESERVATION H4 Date: 10/2 11 YCV NOW'S, PRESERVED Type Sample Condition Upon Receipt Container(s) 3 TEL (ACR) YO'NO 4 SEALED SPECIFY APPROPRIATE 2 Preservatives: # Date: Z=Zn(AC): Date: FAX: MATRIX TAT 200000 G212 (Signature) 3 PRINCHES PARTES P=Plastic M=Metal 3. CONTAINER INTACT 2. HEADSPACE (VOA) Special Instructions/Commerts: E= Routine 7 Workdays South State 1. SAILED FOR LABORATORY USE ONLY: B=Tedlar G=Glass D= Urgent 3 Workdays DISTRIBITION: White with round Vollaw to folder Dink to enhantle Method of Transport AGO Received by: (Signature and Printed Name) Received by: (Signature and Printed Name) 9412-66-3019fer: Linguiller OR Received by: psynature and Printed Name) CHAIN OF CUSTODY RECORD Flander 0000 CA OverN FEDEX 9 Other: Clent ATL Diego State Critical 2 Workdays T=Tube V=VOA L=Liter P=Pint J=Jar P Ž Circle or Add Analysis(es) Requested Address ő Bill To: Time: Alm Date: Time: ä ŝ Address: \$ 000 g B= Emergency Next workday 800 ð 300 118 COUNTY OF THE PROPERTY OF Time 310 Date 10/2]) Unless otherwise requested by client, all samples will be disposed 45 days after Date Miller@ozcconinc. D receipt and records will be disposed 1 year after submittal of final report. Sample Description Sample I.D. / Location TAT: A= Overnight Send Report To: Container Types: Loggod By: 88-20 Records: \$1.00 / ATL workorder / mo (after 1 year) P.O.#: 33-20 Address Storage Fees (applies when storage is requested):

• Sample : \$2.00 / sample / mo (after 45 days) 33-0.5 021 0 9 B2-0-5 <u>Sille</u> Attr ö Š B(-2.0 Ų, (562) 989-4045 • Fax (562) 989-4040 Advanced Technology PST-١ Sample/Records - Archival & Disposal An Laboratories 82 Reinquish@b///forbrage / 1800 hereby authorize ATL to perform the work RIZODETA . TAT starts 8 a.m. following day if Relinquished by: (Signature and Prinsed Norms) samples received after 3 p.m. Signal Hill, CA 90755 Jacon 3275 Walnut Avenue Project Mgr./Submitter: LAB USE ONLY: 5 3 4 7 ١ ١ Batch #: Lab No. 1503387 ndicated below: Attn: ⊢w≥

H=Hcl N=HNO, S=HsSO, C=4'C Z=Zn(AC)2 O=NaOH T=NasS2Os Y D N C YO NO 5. FOF SPLS MATCH COC YOU NO V D N D QA/QC **6000** REMARKS 30 2 10 C RTNE SWRCB Logcode. OTHER. ដ Times Time; Time: NOITAVABSBA9 <u>ග</u> Container(s) Type 3. CONTAINER INTACT YZ NO 6. PRESERVED 1/2/Q/ :sreq Sample Condition Upon Receipt Date: 13/2/ Ste mile (A)(B)(B) SPECIFY APPROPRIATE YE'ND 4. SEALED Preservatives: 4: Date: MATRIX FŘ TAT Ш Colo Joso oz RETANSTRAM PsPlastic M=Metal SGUVM GANGUS E= 7 Workdays Special Instructions/Comments: 2. HEADSPACE (VOA) (2 1, CHILLED FOR LABORATORY USE ONLY: nemonount into the with report. Vallage to folder. Dink to submitted B=Tedlar G=Glass D= Urgent 3 Workdays Method of Transport CORceived by: (Speater and Private Name) Heceived by: (Storolan and Printed Name), 9412-co-Sympler Frilliter Received by: (Signature and Posted Name CHAIN OF CUSTODY RECORD ° 9°°° Jange CA OverN ñ FEDEX Other: Client ATL Critical 2 Workdays Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar Q 200 Circle or Add Analysis(es) Requested ő Address Bill To: Ä 8 Time: 8 Times Date B= Next workday Address: \$ P 35 000 139 8 100 9 00 Time Š 5 CHIE Unless otherwise requested by clent, all samples will be disposed 45 days after Date /0/ : spag 0 Q Date: State receipt and records will be disposed 1 year after submittal of final report. Project #2 Sample Description TAT: A= Overnight ≤ 24 hr Sample I.D. / Location Send Report To: Logged By: Records: \$1.00 / ATL workorder / mo (after 1 year) Storage Fees (applies when storage is requested):

Sample: \$2.00 / sample / mo (after 45 days) P.O.#: Address MILLE Affin ŧ 50-03 ö 900 (562) 989-4045 • Fax (562) 989-4040 ſ B0 Sample/Records - Archival & Disposal Advanced Technology Laboratories TAT starts 8 a.m. following day if samples received after 3 p.m. I hereby suthorize ATL to perform the work Accoper Project Name: HOUNDS Reinquendden Brazy Traint Relinquished by: (Spanes and Potted Name) day and Printed Name 2000 3 1 とい 1 100 5 13 Signal Hill, CA 90755 Š LAB USE ONLY: 5 ě Project Mgr /Submitter. 3275 Walnut Avenue -miller Batch #: Lab No. N33387 Relinquished by: (Flap indicated below: Client Attn:

Y O N S YO NO 5.# OF SPLS MATCH COC Y CHIND YONDY 959 OA/OC 1308 REMARKS S=H₈SO₄ C=4'C JOIL JOIL Z=Zn(AC): O=NaOH T=NasSrOs RTNE SWRCB ៦ OTHER Logcode to Time Time: 00 RSERVATION Яd Date: 10/2/15 YZ NO 6. PRESERVED Type Sample Condition Upon Receipt Container(s) 3 Date: 10 [2] のの当 H=Hcl N=HNO, YE NO 4. SEALED SPECIFY APPROPRIATE Preservatives: * Date: FAX:(MATRIX TAT ZD COOL (TAKE) SELVINE SEVEN 2. HEADSPACE (YOA) 3. CONTAINER INTACT P=Plastic M=Metal E= Routine 7 Workdays Special Instructions/Commerts: 1. CHILLED 300 FOR LABORATORY USE ONLY: Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass Method of Transport D= Urgent 3 Workdays State EMILE 30B Received by: (Signature and Printed Name) Received by: (Signerse and Printed Name) CHAIN OF CUSTODY RECORD 000 DO Received by: (Signavre and Printer CA OverN so Harde FEDEX (Pringed-Nam S Other: Client ATL State POS-Sampler: -4 C= Critical 2 Workdays CONTRO P 7 Circle or Add Analysis(es) Requested 9 Address Bill To: Ath: Time: Date Times 8 S Address: CIA Emergency Next workday 00 450 7 Sing. 알 030 Time B Unless otherwise requested by client, all samples will be disposed 45 days after Date Ō. Date: Date: receipt and records will be disposed 1 year after submittal of final report. ä Gradini Sample Description Sample I.D. / Location TAT: A= Overnight Send Report To: Logged By: S P.O.#: Records: \$1.00 / ATL workorder / mo (after 1 year) S Address 700 Storage Fees (applies when storage is requested): 37-20 0,0 100 AME Š Sample: \$2.00 / sample / mo (after 45 days) ö B13-350-B12-((562) 989-4045 • Fax (562) 989-4040 3 Advanced Technology Sample/Rebords - Archival & Disposal 50 Ì 11/20beth Laboratories Project Name Home 3 hereby authorize ATL to perform the work TAT starts 8 a.m. following day if samples received after 3 p.m. Relinquished by: (Signature and Philod Name) MARKEY and Printed Na Signal Hill, CA 90755 3275 Walnut Avenue 7 Project Mgr /Şubmitter: 17 2 123 000 LAB USE ONLY: 3 124 57-J. 12. Relinquished by: (Signature Lab No. Batch # 3 1503387 ndicated below:

- H W Z

Client Attn: PROTEINS ITION. White with many Valley in folder Disk in enfinithe

NO NO D'N O A YO NO 5.4 OF SPLS MATCH COC Y 29"N O 200 OA/OC H=Hcl N=HNO, S=H;SO, C=4'C Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃ -6000 REMARKS Time: 110 C PTRE SWRCB OTHER. 5 Logcode Time Time: 同(989月8 PRESERVATION 21/2/01 10/1/cr Type 3. CONTAINER INTACT Y Z NO 6. PRESERVED Container(s) Q Sample Condition Upon Receipt YZ NO 4. SEALED SPECIFY APPROPRIATE A SILVE Preservatives: 4 Date: Date Datec FAX:(MATRIX TAT SBI VINGUES VAN Zp Code 921 21 P=Plastic M=Metal E= 7 Workdays 2. HEADSPACE (VOA) Special Instructions/Comments 1000 1. CHILLED FOR LABORATORY USE ONLY: TOOM T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass nearbibition. White with report. Vallow to folder. Pink to submitter D= Urgent 3 Workdays Method of Transport Received by: (Signature and Printed Name) Received by: (Signature and Printed Name) Received by: (Signature and Pricted Name) CHAIN OF CUSTODY RECORD ه ه ه م Mander 9412-02-89PM: EMITTER CA OverN 덛 FEDEX Other: Clent ATL State Critical 2 Workdays STORY DIESO P. P. かの生 0 3 9 Circle or Add Analysis(es) Requested ő Address Bill To: Time: 7 Affin Date: ICO IS Time: ŝ Date: Time: ö Address: B= Rext workday 200 200 8 80 30 6 8 Time ĕ S Unless otherwise requested by client, all samples will be disposed 45 days after Date Date: 120 Date: State receipt and records will be disposed 1 year after submittal of final report. Sample Description Overnight < 24 hr Sample I.D. / Location Container Types: Send Report To: CYTONEVILL 10 Logged By: a B20-0.5 B20-1-1 L'Kniller Storage Fees (applies when storage is requested):

• Sample : \$2.00 / sample / mo (after 45 days)

• Records: \$1.00 / ATL workorder / mo (after 1 year) BB-20 379-05 Q Ô P.O.#: Address TAT: A= Altri ŝ 8 l 1 (5160-(562) 989-4045 • Fax (562) 989-4040 300 000 Advanced Technology Sample/Records - Archival & Disposal 3/6 0 Laboratories Project Name O COOL a sabeth hereby authorize ATL to perform the work TAT starts 8 a.m. following day if Relinquished by: (Signature and Printed Name) JOBOSO samples received after 3 p.m. Signal Hill, CA 90755 137 31 -34 -39 Project Mgr /Submitter: LAB USE ONLY: Batch #: ř -33 74-133 3275 Walnut Avenue ř Reinquished by: (Sontone pris 4 Matok Lab No. 1803387 nateated below: Client: Attn: -⊢ш≥

YON DY Y D N D 5.# OF SPLS IMTCHOOC Y D-N D ZN O X OA/OC 9 H=Hcl N=HNO, S=HsO, C=4'C REMARKS Z=Zn(AC) O=NaOH T=NasSsOs Terrie: 1100 Time:/3057 RTNE SWRCB 5 OTHER. Logcode to Tame: E:(02%)(0.0%) NOITAVRBSBR9 Date: 10/2/17 2 3. CONTAINER INTACT YEN NO 6. PRESERVED Type Ű 5 Date: 10 /2/15 Container(s) Sample Condition Upon Receipt YZ NO 4. SEALED SPECIFY APPROPRIATE literate onite Preservatives: # Date Zp code (2) FAX: MATRIX TAT BELVINGLESIAN BELVING GROOBS P=Plastic M=Metal E= 7 Workdays 2. HEADSPACE (VOA) Special Instructions/Comments: ころいい 1. CHILLED FOR LABORATORY USE ONLY: THOSE State O Container Types: T=Tube V=VOA L=Liter Papint J=Jar B=Tedlar G=Glass DISTRIBUTION White with report. Yellow to folder, Pink to submitter RELIEF WANTER D= Urgent 3 Workdays Method of Transport Received by: (Signature and Prised Name) Received by: (Signature and Printed Name) # 1060elved by: (Signature and Printed Name) CHAIN OF CUSTODY RECORD 0000 TEACE S CA OverN 8 FEDEX Client Other: ATL State Can Diego Sampler C= Critical 2 Workdays Address Colloc Circle or Add Analysis(es) Requested Address Bill To: Times Affr: Date: 8 Š T I Time B= Emergency Next workday 080 CIP <u>6</u> Time Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report. Date 6 Date: 1 Date: Date : Project# Sample Description TAT: A= S24 hr Sample I.D. / Location Send Report To: 5 Logged By: Storage Fees (applies when storage is requested):

• Sample : \$2.00 / sample / mo (after 45 days)

• Records : \$1.00 / ATL workorder / mo (after 1 year) P.O.#: 1001 Address Elizabeth Miller Atti ŝ ä I g (562) 989-4045 • Fax (562) 989-4040 Advanced Technology 125 525 Sample/Records - Archival & Disposal Laboratories hereby suthorize ATL to perform the work . TAT starts 8 a.m. following day if Refinquished by: (Signatus and Printed Name) 20000 Project Nathe: Myssocial Reinquised Project Nathernand turn and Printed Na samples received after 3 p.m. Signal Hill, CA 90755 16-3 3275 Walnut Avenue Project Mgr,/Submitter: LAB USE ONLY: 10 July 10 Jul Batch #: Reinquisther by: 15pg Lab No. NO 3387 ndicated below: Client: Attn: **⊢** W ≥